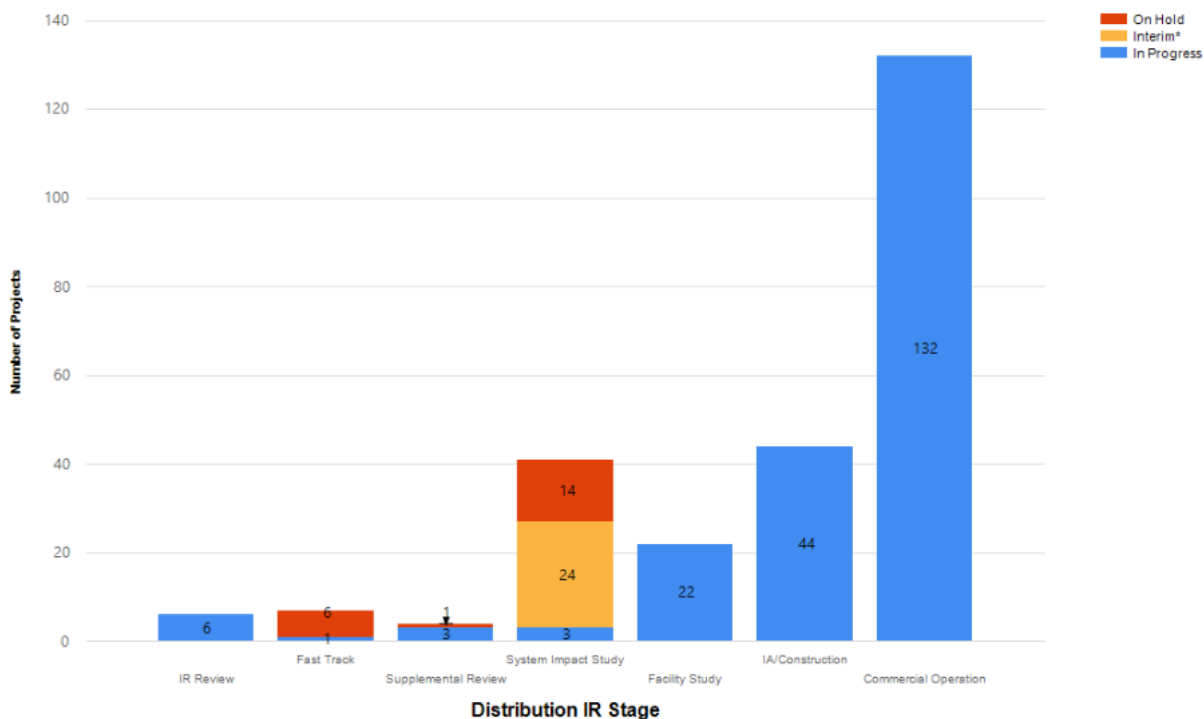


**Duke Energy Carolinas, LLC and Duke Energy Progress, LLC
Generator Interconnection Report Pursuant to Order No. 2018-803(A)
Docket No. 2018-202-E
January 31, 2020**

I. Status of the Companies' Queues

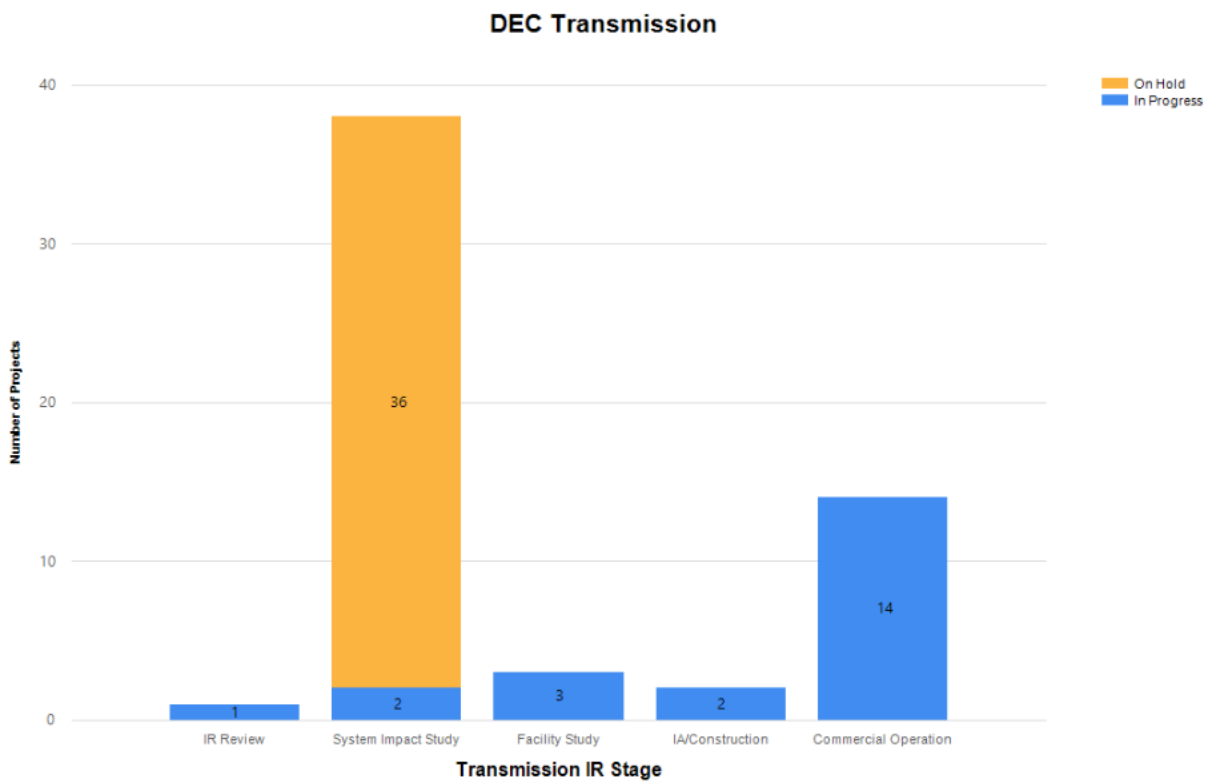
Figures 1 through 4 below illustrate a summary of the status as of December 31, 2019 of all Interconnection Requests ("IRs") 20kW and greater that are in operation or currently active in the Companies' South Carolina state-jurisdictional interconnection queues, at both the transmission and distribution level for each utility.

Figure 1
DEC Distribution



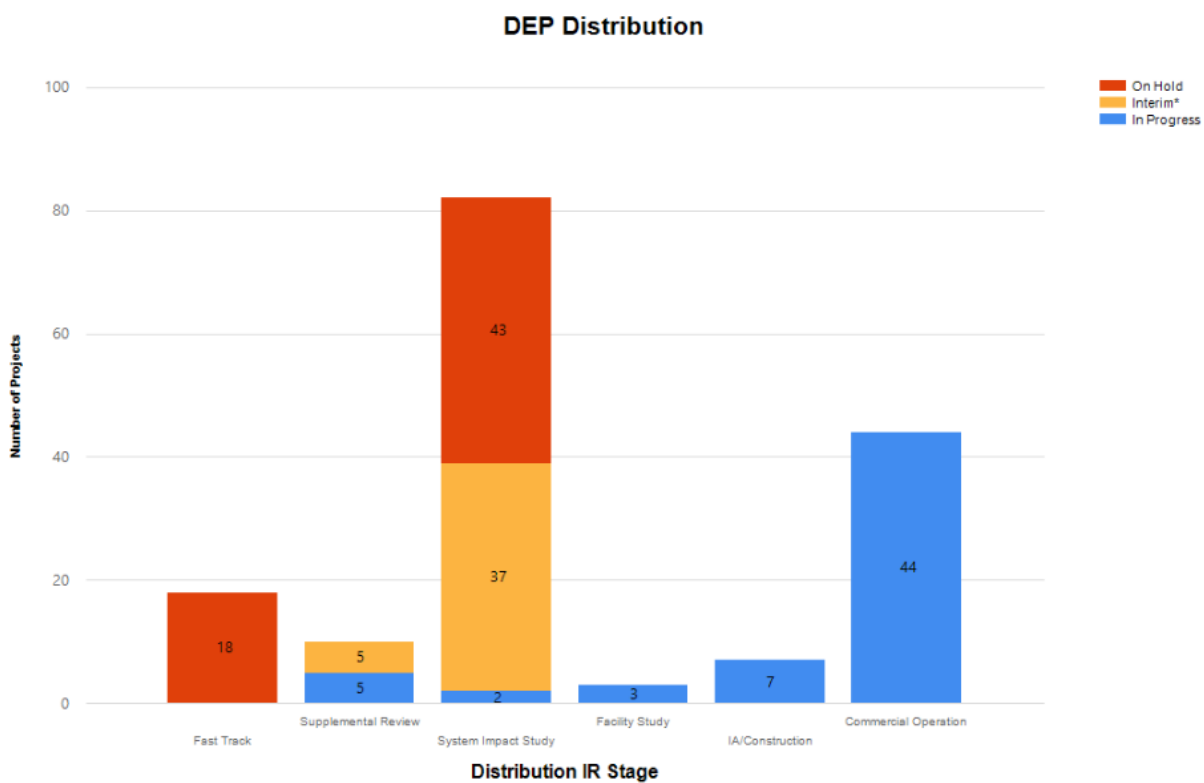
*Interim is defined as transmission constrained or still awaiting transmission review

Figure 2

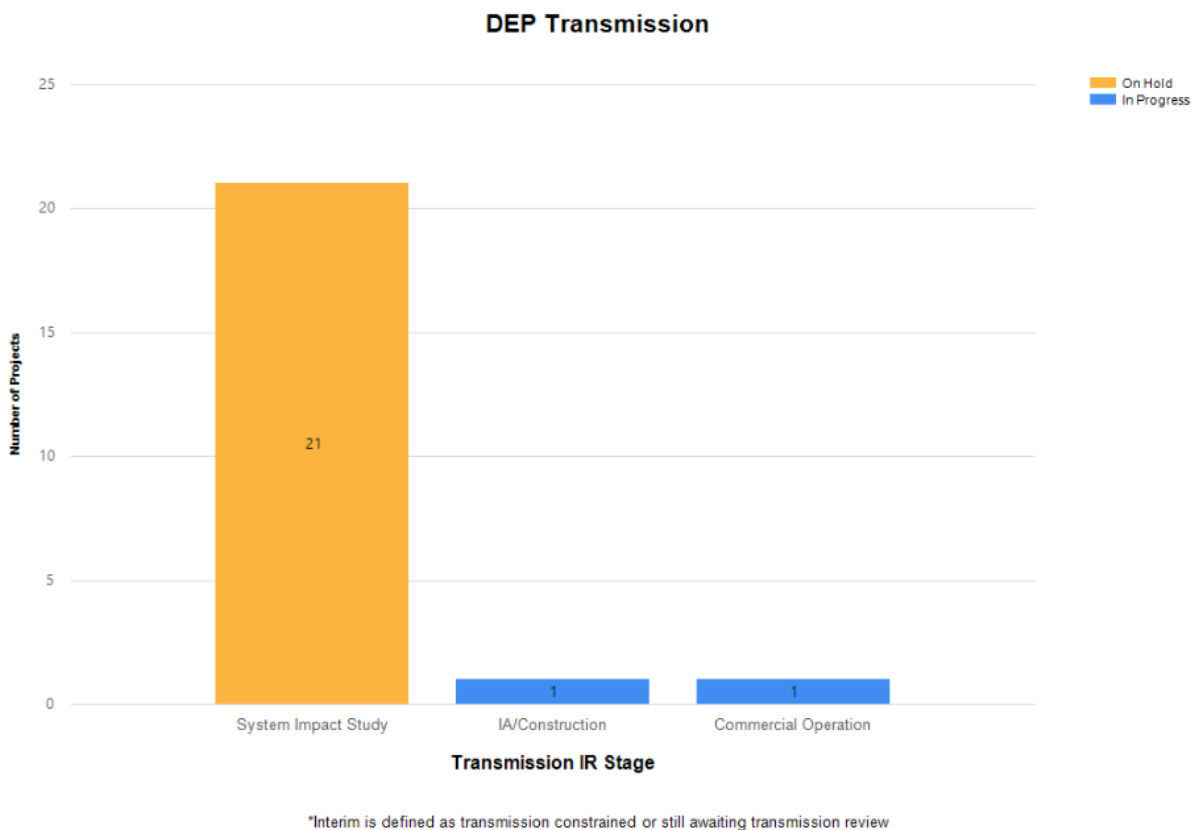


*Interim is defined as transmission constrained or still awaiting transmission review

Figure 3



*Interim is defined as transmission constrained or still awaiting transmission review

Figure 4

IR Review: This term means an IR has been submitted by the customer and is in the process of being reviewed for completeness.

Fast Track: This term means that the IR is eligible for the Fast Track study process (SCGIP Section 2) and the utility is performing the Fast Track screens. (Note: Figures 2 and 4 do not measure Fast Track because projects greater than 2MW are not eligible for consideration for Fast Track)

Supplemental Review: This term means that the IR failed the Fast Track screens review and the utility is performing a Supplemental Review (SCGIP Section 3).

System Impact Study: This term means the utility is performing a System Impact Study (SCGIP Section 4).

Facilities Study: This term means the utility has completed the System Impact Study and is performing a Facilities Study (SCGIP Section 4).

IA/Construction: This term means the IR has completed all study phases.

Commercial Operation: This term means the project has completed construction and is operational.

II. Reasons for the SC Interconnection Queue Challenges

The reasons for the Companies' SC interconnection queue challenges remain the same as those described in the October 31, 2019 report.

III. The Companies' Plans to Remedy the Queue Challenges

The Companies' plans to remedy their queue challenges remain the same as reported in the October 31, 2019 report, with the following updates:

- The Companies continue work on a queue reform proposal pursuant to the North Carolina Utilities Commission's August 27, 2019 *Order Requiring Queue Reform Proposal and Comments*.¹ The procedural schedule for the consideration of the queue reform proposal has been extended by the October 23, 2019 *Order Granting Motion to Delay*.
- The Companies continue to host Stakeholder meetings to discuss the queue reform proposal. The presentations for the March 28, 2019 and April 25, 2019 meetings were provided to the Commission through a filing in this docket on June 3, 2019. Since that time, the Companies have hosted 5 additional meetings, with the most recent meeting being held January 29, 2020. The presentations from those meetings have been included with this filing.

IV. Indicate Which Projects Have Been Bid into CPRE (including which projects were selected as CPRE winners and which projects bid into CPRE but were not selected)

RESPONSE: Please see the August 1, 2019 report filed in this docket that includes the CPRE Tranche 1 winners and projects that were not selected.

¹ NCUC Docket No. E-100 Sub 101.

V. Identify the Intervals for Every Significant Milestone for Every Queued Ahead Non-CPRE Project (if requested by the Office of Regulatory Staff)

RESPONSE: The Companies have provided below statistics on the significant milestones for all Non-CPRE projects greater than 20kW in the Companies' interconnection queues:

- a. Intervals between receipt of the Interconnection Request and execution of Interconnection Agreement.

	Overall	Distribution	Transmission
MIN	64	64	64
MAX	1445	1445	1120
AVG	393	390	446
Projects Included	217	207	10

- b. Intervals for receipt of System Impact Studies Agreements and System Impact Studies completed. Note: Duke Energy's DataMart system does not capture date of receipt of the executed System Impact Study Agreement. Instead, the Companies have provided SIS Start to SIS End interval.

	Overall	Distribution	Transmission
MIN	2	34	2
MAX	1108	1108	687
AVG	352	378	130
Projects Included	122	109	13

- c. Intervals for receipt of Facilities Studies Agreements and Facilities Studies completed. Note: Duke Energy's DataMart does not capture date of receipt of the executed Facilities Study Agreement. Instead, the Companies have provided Facilities Study Start to Facilities Study End interval.

	Overall	Distribution	Transmission
MIN	1	1	1
MAX	446	446	159
AVG	125	128	57
Projects Included	55	52	3

- d. Intervals between studies completed and the Interconnection Agreement received.
Note: The Companies have interpreted this request to intend the interval from Facilities Study Complete to when the IA was delivered to the customer.

	Overall	Distribution	Transmission
MIN	0	0	29
MAX	541	317	541
AVG	44	33	285
Projects Included	46	44	2

VI. Provide Aggregate Statistics on CPRE and Non-CPRE Projects, including:

- a. The actual allocation of FTEs and person-hours devoted to the processing of CPRE and non-CPRE projects (for the transmission and distribution queues), including on a per-project and per-megawatt basis.

RESPONSE: Please see the October 31, 2019 Report for these details for CPRE Tranche 1. The CPRE Tranche 1 winners have executed Interconnection Agreements and exited the queue. Each project will progress through the construction phase to commercial operation based on the milestones established in the Interconnection Agreement. The Companies intend to provide information for Tranche 2, similar to the Companies' October 31, 2019 report for Tranche 1, after the Independent Administrator submits the Tranche 2 final report.

- b. Information on Interconnection Study Intervals for System Impact Studies and Facilities Studies for CPRE versus non-CPRE projects.

RESPONSE:

Please see section V. All CPRE winners have progressed through System Impact Study and Facilities Study. The Companies intend to provide information for Tranche 2, similar to the October 31, 2019 report for Tranche 1, after the Independent Administrator submits the Tranche 2 final report.

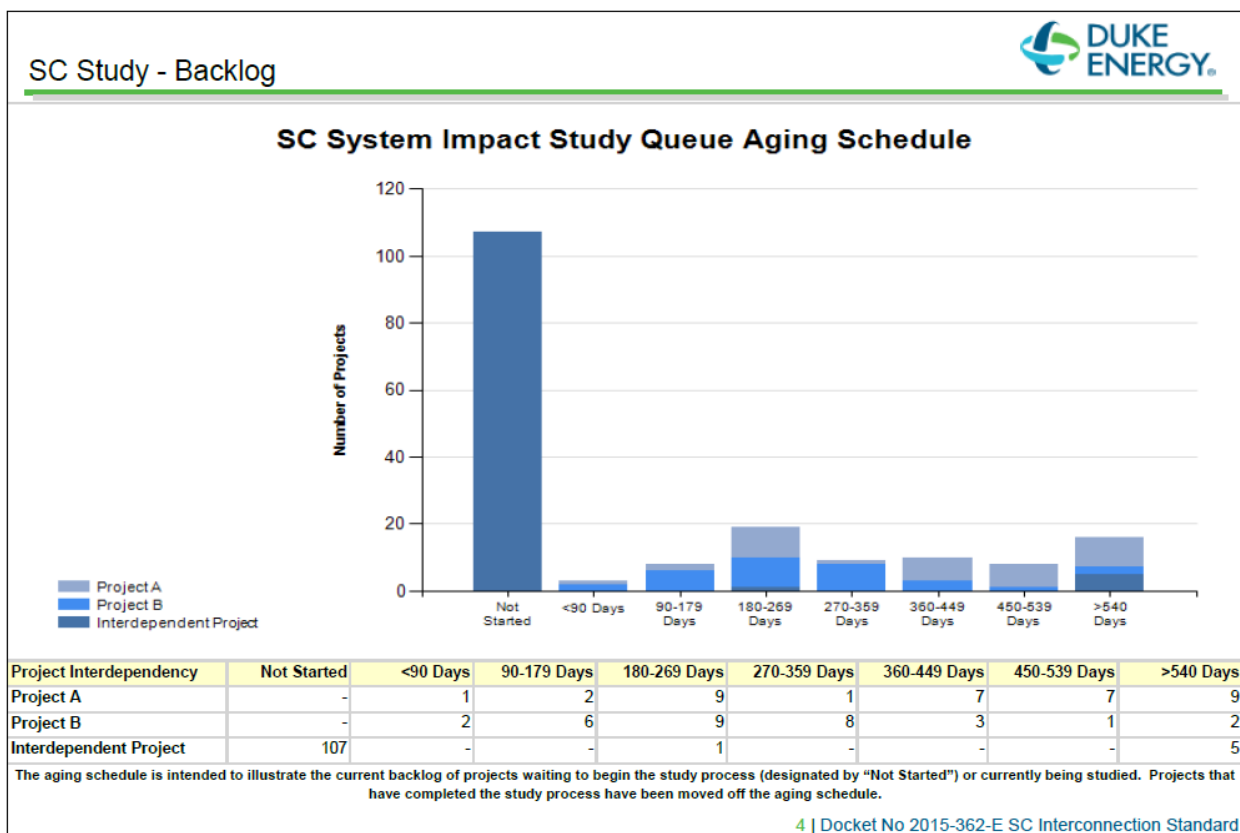
- c. Information on Interconnection Study Backlogs for CPRE versus non-CPRE projects.

RESPONSE:

As reported in the Companies' second and third quarter 2019 reports filed on August 1, 2019 and November 1, 2019, respectively, the interconnection study backlog is not negatively impacted by the existence of the Grouping Studies

conducted for CPRE Tranche 1. Non-CPRE projects that were not designated as on hold for distribution interdependency or transmission constraints continued to be studied in queue priority order during the fourth quarter of 2019. With regard to CPRE projects, no such “backlog” exists, as these projects are not studied under the SCGIP Section 4.3 system impact study process, but instead pursuant to the CPRE grouping study evaluation process approved by the Commission’s Order Nos. 2018-803(A) and 2019-817 issued in this docket. Pursuant to the waivers granted by the Commission, the CPRE Queue Number used for the Grouping Study was not interdependent with other Interconnection Requests. Additionally, winning CPRE projects were able to continue to progress through the interconnection process as these projects were not interdependent with earlier-queued Interconnection Requests and not dependent upon the construction of Network Upgrades in the transmission constrained areas.

Please see the chart below, which illustrates the current state of the Companies’ interconnection queues:



- d. The number of CPRE versus non-CPRE projects that achieved each significant interconnection milestone (i.e. system impact study complete, facilities study complete, IA signed, interconnection achieved) during the reporting period.

RESPONSE:

All CPRE projects have completed the study process, signed Interconnection Agreements, and are in the construction phase. 60 non-CPRE projects achieved interconnection in Q4 2019. 6 CPRE projects executed Interconnection Agreements in Q4 2019. 32 non-CPRE projects executed Interconnection Agreements in Q4 2019. 24 non-CPRE projects completed Facilities Study in Q4 2019. 12 non-CPRE projects completed System Impact Study in Q4 2019.